Aayush Jannumahanti

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Education

- ***Master of Science - Computer Science***
  The University Of Maryland Baltimore County GPA: 3.6 *August 2022 - May 2024*
- ***Bachelor of Technology - Information Technology***
  SRM Institute Of Science And Technology *July 2016 - June 2020*

Skills Summary

- **Languages**: C++, JAVA, C, Python, HTML/CSS, JavaScript, SQL
- **Frameworks**: Spring MVC, JUnit, Hibernate, Scikit, Numpy, ReactJS, NodeJS, MERN, LAMP
- **Industry**: Automated/Integration Testing, Sprint Planning, CI/CD, Version Control, System Design, Code Reviews
- **Tools**: Oracle, PL/SQL, MySQL, MongoDB, CRUD Databases, RESTful API's, Jenkins, CircleCI, Fastlane, Buildkite, Gradle, Maven, Git
- **Technologies**: Atlassian Suite - JIRA, JIRA Portfolio, Bitbucket, Confluence; Agile Frameworks - SCRUM, Kanban, XP, Kafka, Avro, SVN, User Stories, ATDD, TDD
- **Methodologies**: Agile Development and Best Practices, Software Development Life Cycle (SDLC), SOLID Principles, OOD, Proof-of-Concept (PoC) Development
- **Platforms**: Linux, Web, Visual Studio Code, Windows, Arduino, Mac, AWS, GCP, XCode, Azure, Kubernetes, Docker

Experience

- ***APPLE INC***
  Software Engineer (GIS) (Contractor to Apple Inc) (Full-time, India) *August 2020 - August 2022*
  - **Apple Maps Software Development**: Part of Apple Maps Product Software Development, Involved in CI/CD for different markets like the Americas (USA, Canada) and the rest of the world countries. Worked on the development of various build regions of Apple Maps Software to meet business delivery expectations with a team of 200-plus members
  - **Subject Matter Expert**: Served as SME for my team of 20+ employees, Interacted with QA, SVC (Sunnyvale Communications team), Specifications team, Inventory team, organized workflows of the process for business purposes, and reported the status to Program Managers on the onshore team
- ***Algoshelf***
  Data Science Intern (Part-time, Remote) *Dec 2018 - Feb 2019*
  - **Research Paper - Publication - Slides - Improvised on Symbolic Aggregate Approximate Algorithm**: Authored a research paper exclusively for detecting anomalies in time series data-sets using already existing Symbolic Aggregate Approximate on IoT sensor-based dataset
- ***Fanlytiks***
  Machine Learning Intern (Part-time, Bangalore, India) *June 2018 - July 2018*
  - **Twitter Sentiment Analysis Software Development**: With a team of 10 contributed to build a Twitter Sentiment Analysis model using Long Short Term Memory Network (LSTM) architecture. The data was given by third party vendors and we wrote a python script to extract data using JSON files
  - **Application**: This application project was used to analyse fans sentiment during ongoing cricket matches. This was an Add-On feature in their business service. Tech stack: BeautifulSoup, Tweepy, Tensorflow, Numpy & GCP

Projects

- **1. Hand Written Recognition System using Neural Networks and Guided Inputs (Machine Learning, Computer Vision)**: Made a hand written text recognition system to recognise doctors prescription
- **Multi-Model Architecture**: Used Convolution Neural Network (CNN), Long Short Term Neural Netowrk (LSTM) and Connectionist Temporal Classification (CTC) loss. Tech: Python, OpenCV, TensorFlow, Numpy, & Google Cloud Platform Research Paper-Project Report
- **2. College Management Application System (Software Development)**: Built a College Management Application System. Creates Login ID & Password, afterwhich they can create, upload, download or modify the database. Tech: HTML, JavaScript, PHP, MySQL, & XAMPP
- **3. Deep Crypto Predict (Software Development)**: Using the data for crypto-currency market analysis, built an LSTM Neural Network model which will use previous data of bitcoin and ethereum prices to predict the next day's prices. Tech: Python, Numpy & Pandas